



*'We bring people to space — We bring space to people'*

## Center Director optimistic Marshall will continue projected missions under President Bush

by Debra Valine

At the all-hands meeting Tuesday, Center Director Art Stephenson was optimistic that Marshall will continue its projected missions under the administration of President George W. Bush, but said we'll have to wait and see what direction the new administration takes regarding the space program.

Stephenson answered previously submitted questions as a big part of the all-hands meeting, and the "wait and see" theme echoed in many of the answers. Also part of the meeting, Flight Projects Directorate Director Jan Davis discussed the assembly of the International Space Station to date, and some of what can be expected in the future.

"We are creating our future," Stephenson said, "and a positive attitude

will help us. We are facing some tough decisions on programs, but with a positive attitude, we can come out on top."

He emphasized keeping safety foremost in our minds, along with the Marshall values, while working through processes. "We are looking for ways to improve processes," he said.

"If you see a process that needs to be changed, suggest it." He said innovation includes inventing new technologies and

for civil servants, new technologies can mean personnel royalties.

*See All-hands on page 5*



Stephenson talks to group in Bldg. 4610 cafeteria.

Photo by Terry Leibold, NASA/Marshall Space Flight Center

## NASA's 'Starship 2040' embarks on maiden voyage

by Rick Smith

In February, NASA's newest "space" vehicle will leave the Marshall Center on its maiden voyage. And while "Starship 2040" may not be designed to escape Earth's gravity, NASA officials expect it will send the imaginations of thousands of visitors across Alabama — and soon the nation — straight into orbit.

Starship 2040 is a traveling NASA exhibit housed in a 48-foot (14.6-meter) trailer and tractor rig that invites the public to experience what commercial spaceflight might be like four decades from now — in 2040. Visitors will walk through a full-sized, hands-on mock-up of the spacecraft's control, passenger and engineering compartments.

The exhibit begins its tour across Alabama Feb. 4, when it will visit the University of South Alabama in Mobile — the first of seven stops at universities, government institutions and communities around the state which have partnership roles in NASA Marshall space transportation, propulsion and science research programs.

"The Starship 2040 exhibit will inform and excite visitors of

**Employees may view Starship 2040 from 2-4:30 p.m. Thursday and 8 a.m.-2 p.m. Friday in the north loop of Bldg. 4203.**

all ages about possible future technologies and commercial opportunities in space," says Dr. Row Rogacki, director of the Space Transportation Directorate at Marshall. "More importantly, Starship 2040 illustrates real-world technology challenges now being met by NASA researchers and engineers and their partners in industry, academia and government.

"This isn't just science fiction," Rogacki adds. "We intend to make a future much like the one demonstrated by Starship 2040 a near-term reality."

The Alabama tour includes stops at the University of South Alabama in Mobile, Tuskegee University, State Capitol in Montgomery, the University of Alabama in Tuscaloosa, Jackson-

*See Starship 2040 on page 4*



Photo by Terry Leibold, NASA/Marshall Space Flight Center

### ***Ready for action***

Center Deputy Director Jim Kennedy drops the puck to start the University of Alabama at Huntsville vs. U.S. Air Force Academy hockey game last Saturday. The NASA Exchange sponsored the game — giving some 3,500 free tickets to employees. UAH defeated the Air Force 5-3.

## **Black History Month**

# February events include leadership forum, lunch and learn, science fair, contests, Jazz Café and guest speaker

**S**everal special events will mark Black History Month in February at the Marshall Center.

The celebration, “Creating and Defining the African-American Community: Family, Church, Politics, Culture,” begins with a Leadership Forum at 1 p.m., Feb. 1, in Morris Auditorium. Forum panelists include Dr. Fred Cason, division chief of surgery, University of Alabama at Birmingham; Birmingham Mayor Bernard Kincaid; Russell Brown, president of DP Associates and past chairman of the Huntsville-Madison County Chamber of Commerce; District Court Judge Martha Lynn Sherrod, District Court judge; and Marshall Center Deputy Director Jim Kennedy. Robert Drake of Getronics, associate producer for NASA TV, will moderate.

As part of a community outreach effort for the month, Marshall employees will participate in “The Year of the Child” initiative with visits to Stone Middle School on Feb. 6, 13, 20 and 27. This community outreach program is aimed at creating a scientific yearning in grade school children. During the visits to the school, Marshall employees will expose students to scientific principles by using hands-on demonstrations, introduce them to NASA’s “Spin-off” technologies, and discuss other non-technical career opportunities at NASA.

A “lunch and learn” program on short- and long-term investment strategies will be from 11 a.m. to 12 p.m., Feb. 8, in Bldg. 4203, room 4002.

On Feb. 21, a science fair for students in grades 6-9 will start at 8:30 a.m. in the Bldg. 4203 cafeteria. It will highlight a project that falls within chemistry, physics/optics, engineering or biology.

Marshall employees will be able to dine during Jazz Café while listening to live entertainment from 11:15 a.m. to 12:15 p.m. on Feb. 22 in the cafeteria of Bldg. 4203.

The celebration’s closing ceremonies will be at 9 a.m. Feb. 28, in Morris Auditorium. Speaking will be Vernon Jarrett, creator of Afro-Academic, Cultural, Technological and Scientific Olympics (ACT-SO). He created the program in 1977 for young black academic achievers, and it has been adopted by the national office of the NAACP. Jarrett is also a commentator on race relations, politics, urban affairs and African-American history.

At the closing ceremony, committee leaders will recognize winners of the poster contest for grades 3-5, essay contest for grades 9-12 and creative arts contest for grades 9-12.

For more information, call James Bailey at 544-2523.

# NASA, international team building instruments to study Sun on Japan's Solar-B mission

by Tracy McMahan

**O**ur Sun is a violent star and is capable of producing explosive flares and hurling clouds of matter toward Earth — activities that in the past have interfered with satellite communications and electric power transmission grids on Earth.

To learn more about the forces that create these disruptions on the Sun, scientists from Japan, the United States and the United Kingdom are working together to build instruments to fly in 2005 on the Solar-B mission, a satellite being developed by Japan's Institute of Space and Astronautical Science (ISAS).

The Marshall Center is managing the development of the NASA-provided components for the Solar-B Focal Plane Package, the X-ray Telescope and the Extreme Ultraviolet Imaging Spectrometer. For more details on how these components operate together, visit <http://www1.msfc.nasa.gov/NEWSROOM/background/Solar-B.html>

"NASA is working with scientists across the country to design and build the major elements of the three instruments for Solar-B," said Lawrence Hill, project manager for Solar-B at the Marshall Center. "NASA has just completed the design phase, and we'll soon begin building the instruments that will help us understand the star closest to home."

The Solar-B spacecraft will be placed into a Sun-synchronous orbit around the Earth. This is a polar rather than an equatorial orbit and allows the instruments to remain in continuous sunlight for nine months of each year. The Solar-B instruments will observe how magnetic fields on the Sun's surface, called the photosphere, interact with the Sun's outer atmosphere, the corona, that extends millions of miles out into space.

"This high-temperature outer solar atmosphere is the only place in the universe where scientists can make very detailed observations of how magnetic fields interact with the hot ionized gases, or plasmas, that make up all stars," said Dr. John Davis, Solar-B project scientist at the Marshall Center. "The instruments will work together to show how changes in magnetic fields deep inside the Sun erupt through the different layers of the Sun's atmosphere, creating the violent disturbances that sometimes affect us on Earth."

The origin of the Sun's violent behavior lies with its magnetic field, which is generated deep in the star's interior. The magnetic field is buoyant and rises to the surface where it is often visible as sunspots, which are large concentrations of magnetic flux. Energy is stored in the magnetic field.

As the field rises into and through the solar atmosphere, energy can be released either gradually to heat the outer atmosphere to temperatures in excess of a million degrees or explosively in solar flares or coronal mass ejections (CMEs). Solar-B's scientific mission is to observe the distribution of the magnetic

field at the photosphere where it first becomes visible and to study how it releases its energy to the surrounding atmosphere.

Recent measurements of the energy flowing from the Sun, the solar "constant", shows the Sun to be less luminous at the minimum of the sunspot cycle when Solar-B will be launched. The records of sunspot observations from 400 years ago indicate an extended period when sunspots were extremely rare, and the sunspot cycle even disappeared. This period coincided with a series of very harsh winters in Europe known as the "Little Ice Age."

Solar scientists have found suggestions that extremely small magnetic features in the solar photosphere are responsible for the changes in the luminosity. Solar-B will enable the first comprehensive set of observations to determine the role of these features in long-term solar luminosity changes and provide better answers to this provocative question of how the Sun impacts Earth's climate.

Solar-B is an international mission sponsored by ISAS based in Sagami-hara, a suburb of Tokyo, Japan, with its partners—NASA and the Particle Physics and Astronomy Research Council based in Swindon, United Kingdom. The heart of the Solar-B mission is a large solar optical telescope that is being developed by the Japanese Institute. To measure the magnetic fields, structures and flow patterns in the photosphere, NASA will provide a set of instruments for the telescope's focal plane. X-ray and Extreme Ultraviolet Telescopes, each of which contain major components supplied by the three international partners, will record how the energy stored in and released by the magnetic field propagates through the Sun's outer atmosphere.

*The writer, employed by ASRI, supports the Media Relations Department.*



Artists concept of the Solar-B Focal Plane Package



Photo by Dennis Olive, NASA/Marshall Space Flight Center

### Training new astronauts

Astronaut candidates from the class of 2000 tour the Microgravity Research Facility at the Marshall Center Jan. 17. The group also visited the Productivity Enhancement Complex and the Payload Operations Center, and received briefings on the Space Transportation Program, safety and mission assurance, and the Environmental Control Life Support System.

## NASA adds battery spares to International Space Station contract

NASA has negotiated a \$68.8 million contract modification with the Boeing Company's Space and Communications Group of Houston, Texas, for acquisition of space-battery orbital-replacement units.

These spares are to replace, when necessary, battery orbital-replacement units already in space.

Work on the contract will be done at Boeing facilities in Houston and Canoga

Park, Calif., and at facilities of the major subcontractor, Space Systems Loral of Palo Alto, Calif., as well as at vendor facilities throughout the United States.

Boeing's Space and Communications Group holds the International Space Station prime contract. The company was awarded that eight-year contract for construction and integration of the space station in 1995. The contract is a cost-plus-award-fee/fixed-fee type.

## Starship 2040

*Continued from page 1*

ville State University, Cullman, and back to Huntsville.

Following the Alabama tour, the exhibit will begin a series of nationwide public tours and visits to national-level conferences.

The Starship 2040 exhibit, conceived at the Marshall Center, was designed by Folio Design Inc., of Atlanta, and built by Presentations South Inc., of Orlando.

NASA is the nation's premier agency for developing reusable

launch vehicle technologies. The Marshall Center is leading this effort, aimed at enabling dramatic improvements in the safety, cost and reliability of future space transportation systems.

For more information about the Starship 2040 exhibit or the Alabama tour, visit [www.Starship2040.com](http://www.Starship2040.com)

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## Marshall employees receive length-of-service awards

The following Marshall civil servants received length-of-service awards following Center Director Art Stephenson's all-hands meeting Tuesday:

**Ray B. Woods**, PS10, received his award for 45 years of service.

### For 40 years of service

- **Gordon E. DeRamus**, ED33
- **J.R. Griffith III**, SD73
- **Jim J. Lindsay**, ED20
- **Victor I. Richard Jr.**, ED22
- **Norman E. Trentham**, QS20
- **Armis L. Worlund**, MP21
- **Vaughn H. Yost**, MP21

### For 35 years of service

- **Annie T. Brazelton**, ED23
- **William Claunch**, SD42
- **Sandra C. Coleman**, RS01
- **James R. Graves**, FD25
- **George M. Kozub**, VS01
- **Lowell C. Newton**, RS30
- **William B. Price**, TD52
- **Ralmage R. Reynolds**, AD02
- **Euell C. Richardson Jr.**, ED14
- **Fred D. Roe Jr.**, ED19
- **Rodger D. Romans**, TD13
- **John C. Stephens**, ED15
- **Henry P. Stinson Jr.**, TD61
- **Joyce E. Turner**, AD33
- **Gordon A. Wood**, FD42

### For 30 years of service

- **David K. Bates**, RS01
- **Mary A. Newman**, TD70

# All-hands

Continued from page 1

Stephenson said the biggest challenge Marshall faces is the Advanced Space Transportation Program — reducing the cost of getting to space while significantly increasing reliability within 10 years. “We will do the best we can with the money and time that we have,” he said.

## International Space Station

By 2006, the International Space Station will have six labs — roughly the size of two jumbo jets — with 100 components weighing more than 1 million pounds. The arrays will cover half an acre.

The building of the Space Station is taking part in three phases, Davis explained. Phase 1 included 11 Shuttle flights and nine dockings with the Russian Space Station Mir. Phase 2 — the current phase — includes assembly of the Station. And Phase 3 is the final assembly phase. When it is completed, crew members will be able to conduct space walks from the Space Station using air locks that will accommodate both American and Russian space suits.

Marshall is responsible for Nodes 2 and 3, the Environmental Control and Life Support System — recycling system that recycles water and air — logistics; payload; testing of hardware such as the trusses; and a lot of other activities.

“We are having the grand opening of the Payload Operations Center at Marshall next week,” Davis said. “All the international science that will take place on the Space Station will be coordinated through the Payload Operations Center. We expect to be operational 24 hours a day beginning in March.”

## Questions and answers

Stephenson answered previously submitted questions posed by Tereasa Washington, director of the Customer and Employee Relations Directorate. Topics included safety, how the new administration will impact work at Marshall and future missions.

“The NASA Safety Initiative is here to

stay. It is not a fad,” Stephenson said. “This safety program will end when you stop caring about your loved ones. It is not just about NASA. We want you to take this home.” He said any employee can report a safety concern without fear of reprisal. If there is a safety concern, “the process will stop until we get it fixed,” he said. “I encourage employees to speak up if they see an unsafe condition or process.” He also said the Voluntary Protection Program is back on track, and by June workloads should have evened out enough for the workforce to initiate efforts to ultimately achieve VPP status.

Many questions addressed concern with where Marshall is headed under the new Bush administration. Stephenson said Dan Goldin is acting as interim administrator of NASA, and that many issues will not be decided until the president determines who will lead NASA and which way the space program will proceed. He said before NASA can make plans to revisit the Moon or go to Mars, the cost of space transportation must be reduced.

He spoke of a broad Strategic Plan he presented to NASA senior management that outlines what the Center hopes to accomplish in the future, Stephenson said. “Our 10-year mission model is pretty much going to continue the way we are now. It is clear that over the next 10 years we will still be flying the Space Shuttle, and working on safety upgrades. We are resisting ‘go fever’ — replacing it with ‘safety fever.’ We know we will be working on the Space Station and microgravity for the next 10 years. We know we need to get the cost of going to space down. We know we will be working on optics. The National Space Science and Technology Center will grow. We know we have more on our plate than we can accomplish. By June we will make the hard decisions that will determine what work will continue and what work we will not continue. We do know the key to our success will be teamwork, and we must rely heavily on the contributions of our partners including other

NASA Centers, universities, the Department of Defense and contractors.”

Stephenson said NASA has been asked to stop hiring until President Bush names a new NASA administrator. He said Marshall is hoping to go to 2,762 full-time employees and see an increase in contractor support as well, depending on funding for Space Launch Initiative. Since Marshall still expects to hire new employees, and because we do not have any excess skills categories, he does not anticipate a buyout for the next two years.

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*“It is clear that over the next 10 years we will still be flying the Space Shuttle, and working on safety upgrades. We are resisting ‘go fever’ — replacing it with ‘safety fever.’”*

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When Marshall does hire new employees, Stephenson said he is looking for diversity — people from all geographic regions and all backgrounds. “It is good that we come from different backgrounds. We will not come up with new technologies if we don’t diversify. We have a large cross section of talent to choose from. It is key to our success in moving forward and being the best we can be.”

It is also important to identify employees as potential project managers and train them in project management skills, he said. “We have tasked the Systems Management Office to lead the way in training for project managers. We have asked them to hire and have available senior people who can be mentors.”

Stephenson placed specific emphasis on systems engineering and how it applies to project management. “Systems engineering is a lost art. We need to acknowledge that and re-learn it. It’s a skill we have not emphasized enough.” The Systems Management Office has a one-day course in systems engineering.

Based on time constraints, Stephenson was unable to answer all the questions from the floor, but he assured employees that he will get answers and have them published in the near future.

*The writer, employed by ASRI, is the Marshall Star editor.*

# How much do you know about the Super Bowl?

**S**o, you think you've got all the trivia down when it comes to Super Bowl information?

Try this quiz to see just how much you know — or memorize the statistics so you can wow your buddies when you watch Super Bowl XXXV on Sunday. Answers appear on page 8.

1. Who holds the single game record for highest quarterback rating in a Super Bowl game?

- a. Phil Simms
- b. Troy Aikman
- c. Terry Bradshaw
- d. Joe Montana

2. The Super Bowl record for points in a game is 18. Only one player did it more than once. Who?

- a. Terrell Davis
- b. Jerry Rice
- c. Roger Craig
- d. Ricky Watters

3. Only once have two players on the same team each had 100 yards receiving. Who were they?

- a. Irving-Harper

## Sports

- b. Clayton-Duper
- c. Rice-Taylor
- d. Swann-Stallworth

4. The quarterback with a career touchdown-interception ratio of 11-0 in a Super Bowl is?

- a. John Elway
- b. Troy Aikman
- c. Terry Bradshaw
- d. Joe Montana

5. The only player to reach 200 yards rushing in a Super Bowl game is:

- a. Franco Harris
- b. John Riggins
- c. Marcus Allen
- d. Timmy Smith

6. Since the NFL adopted a 16-game schedule in 1978, what was the worst regular-season record by a Super Bowl champion?

- a. 9-7
- b. 12-4
- c. 10-6

d. 11-5

7. Since the 16-game schedule, what was the BEST record by a Super Bowl LOSER?

- a. 14-2
- b. 13-2
- c. 15-1
- d. 12-4

8. Since the 16-game schedule, only one Super Bowl team had less than 10 regular-season victories. Who were they?

- a. Philadelphia Eagles
- b. Los Angeles Rams
- c. Minnesota Vikings
- d. New York Jets

9. How many teams have never played in a Super Bowl?

- a. 8
- b. 10
- c. 9
- d. 11

10. Which of the following teams has a losing Super Bowl record?

- a. Washington Redskins
- b. Oakland-L.A. Raiders
- c. Dallas Cowboys



Photo by Dennis Olive, NASA/Marshall Space Flight Center

### ***Building a 'Future City'***

Sparkman Middle School won first place in the National Engineers Week Future City Competition at Marshall last Friday. Twenty schools competed in the contest designed to foster science, math and engineering to seventh- and eighth-grade students through hands-on, real-world applications.

## Center Announcements

### POC grand opening

Marshall team members are invited to watch the grand opening of Marshall's new Payload Operations Center at 10 a.m. Feb. 2 on Centerwide television.

### ISO 9000 surveillance audit

National Quality Assurance ISO 9000 surveillance audit of Marshall will be conducted Feb 6-8. This audit will focus on six specific ISO elements — management responsibility, quality system, corrective and preventative action, control of quality records, internal quality audits and design control. Employees should visit the ISO Web site and review the "Audit Preparation Questions & Answers."

### Leadership forum

Leadership forum at 1 p.m. Feb. 1 in Morris Auditorium kicks off Black History Month activities. Panelists will discuss "Creating and Defining the African-American Community: Family, Church, Politics, Culture."

### Acronym List update

The NASA/Marshall Center Acronym List is being updated. Send updates by e-mail to Susan James by Jan. 31. The Acronym List can be found on "Inside Marshall," under General Information, Library, NASA Acronym List "unofficial."

### Job Shadowing Volunteers

Job shadowing days will be held any Friday in February. If you would like to sponsor a student and allow them to shadow you for a day on the job, send and e-mail to Joel Farbman or Barbara Long.

### CFC applications

The Tennessee Valley Combined Federal Campaign is accepting applications from non-profit organizations for participation in the 2001 fund-raising campaign. Under federal law, an organization must have 501 (c) (3) status, proof of human health and welfare services, an annual audit/IRS 990 Form, and a board of

directors. The open period for acceptance of application packages will be March 1-April 6. For more information, call Melinda Seigler at 536-0745, ext. 108.

### Clubs and Meetings

#### MARS Valentine Dinner Dance

Tickets for the Feb. 10 MARS Valentine dance are available from the MARS Ballroom Dance Club. The formal event will be held at the Von Braun Center East Hall and will feature ballroom music by the Little Big Band. Socializing will begin at 6:30 p.m. and a buffet dinner will be served at 7 p.m. followed by dancing from 8 to 11 p.m. Tickets are \$25 per person with a \$5 discount for members and are available through Feb. 5. They can be purchased from Linda Kinney at 544-0563, Tamara Landers at 544-6818, Pat Sage at 544-5427, Ed Ogozalek at 837-1486, Bob Williams at 544-3998, Hugo Berry at 544-3525, Woody Bombara at 650-0200, Joyce Davis at 880-2270, and Earl Herndon at 534-7408. Reservations for a table of eight can be made by calling Bombara.

#### Tango lessons

The MARS Ballroom Dance Club has scheduled tango lessons for Jan. 29 in the Parish Hall of St. Stephen's Episcopal Church at 8020 Whitesburg Dr. Intermediate classes will be taught from 7-8 p.m. and beginner classes from 8-9 p.m. at a cost of \$6 per person per night. The instructor is Bryon Fondren who is certified at both Arthur Murray and Fred Astaire dance studios. For more information, call Woody Bombara at 650-0200.

#### Shuttle Buddies

The Shuttle Buddies will meet for breakfast at 9 a.m. Jan. 29 at Mullins Restaurant on Andrew Jackson Way. For more information, call Deemer Self at 881-7757 or Gail Wynn at 852-8189.

### Hearing impaired

Rocket City SHHH Group (Self Help for Hard of Hearing People) will meet at 6:30 p.m. Jan. 30 at the Huntsville-Madison County Public Library, conference room A/B. Luanne Biles will speak on getting the maximum benefit out of your hearing aid investment. For more information, call (256) 517-1553.

### Photo Lab Retirees

Photo Lab retirees meet the first Tuesday each month at 9:30 a.m. at Shoney's on University Drive and Memorial Parkway. For more information, call Carl Dow at 461-8181.

### NASA Exchange

#### Space Shop closed

The NASA Exchange Space Shop will be closed for physical inventory Jan. 31.

### Job Opportunities

#### *Supv., AST, Technical Management Systems, GS-861-15*, Independent

Assessment and Integration Department Safety and Mission Assurance Office. Closes Jan. 26.

*CPP-01-015 — Contract Specialist, GS-1102-13*, Procurement Office. Closes Feb. 2.

*CPP-01-016 — Contract Specialist, GS-1102-14*, Procurement Office. Closes Feb. 2.

*CPP-01-017 — Contract Specialist, GS-1102-12*, Procurement Office. Closes Feb. 2.

### Obituary

*Troupe, Alphonso, 41*, of Huntsville, died Jan. 9. He had worked for Marshall contractor EG&G for 18 years prior to his death. He is survived by his wife, Dorothy Felecia Eldridge Troupe and two sons, Alphonso Troupe II and Adrian Troupe.

## Employee Ads

## Miscellaneous

- ★ Queen-size Serta mattress and box springs, \$100. 971-0048
- ★ Oneida silverware, Golden Natchez design, 4 setting, 20 pieces, \$80 obo. 534-1275
- ★ F150 chrome rims for 97-99 Model, \$400. 890-0297
- ★ Gibson bass guitar w/case and Crate BX-25 (90W) amp, \$350. 852-8320
- ★ Kenmore gas grill w/full propane tank, \$40. 830-0854
- ★ Sofa, forest green, and 2 chairs, 3 yrs. old, \$550 obo. 464-9055
- ★ Cardio-Glide, \$175 obo; medium brown mink jacket, size 10, \$1,500 obo. 931-937-6752
- ★ Oak dining room set, table/6 chairs, \$750; buffet w/hutch, \$400; dry sink w/hutch, \$200; metal lathe, \$1,350. 859-2295
- ★ Pampered Chef professional cookware family skillet and lid, \$100. 830-0851
- ★ Men's ski jackets; medium white/navy, \$35, Columbia large black, \$120; bibs, large blue, \$10. 882-3983
- ★ AMD K6-2m 375Ngzm 128Mb, 1.5Gb HD, 56k modem, no monitor, \$250. 851-8085
- ★ Single bunkbed, mattress/box spring, \$50; Bassett chair, light brown/orange, matching footstool, \$100. 517-3892/pager
- ★ 1989 Wellcraft 192 Classic, cuddly cabin, 4.3L V-6 Mercruiser, dry stored for life, \$7,500. 797-6173/880-8008
- ★ Old cowboy spurs (2), \$85 each. 882-1097
- ★ Chest freezer, 5 ft., \$150; GE washer and dryer, \$150 obo. 650-5375
- ★ University of Tennessee memorabilia; football guides 63, 66 - 83, 85 - 87, 89, 96, 97, more, \$45. 883-2948
- ★ NordicTrack Sequoia ski exerciser, \$120; University Contada speakers, \$25 ea.; Sears Free-spirit 10-speed, \$20. 722-8404
- ★ Pioneer receiver/amp, HPM-40 speakers, cabinet, \$100. 830-6584
- ★ Schwinn Worldsport 10-speed bike, includes helmet, tire pump w/psi readout, spoke wrench & bicycle maintenance book, \$110. 830-1060
- ★ Technics speakers, two, very large, circa 1986, \$50. 797-6173

- ★ Kenmore washer/dryer, \$175; manual treadmill, \$75. 859-6152
- ★ 1999 Model Fender stratocaster, "hardtail", w/1962 strat pickups, \$700. 461-7154
- ★ Broadway Theater League Tickets, "Fame", for Sunday, March 4, loge, row two, VBC, two tickets @ \$27.50 each. 881-0278
- ★ UMAX Astra 3400 flatbed scanner, new, \$80; Canon BJC-2100 color bubble jet printer, new cartridges, \$45. 776-3424

## Vehicles

- ★ 1984 Toyota Corolla, 4-door, manual, air/radio, needs fuel injection work, one-owner, >200K miles, \$600. 882-1880
- ★ 1991 Chevy Cheyenne C1500, 6 cyl., auto, 64K miles, bedliner, new tires/paint, \$4,950 firm. 256-753-2278
- ★ 1979 BMW 728, European Model, new paint & interior, pertinent documents included, \$5,000 negotiable. 881-8026
- ★ 1995 Maxima SE, 5-speed, leather, sunroof, climate control, Bose stereo/CD/cassette, ABS, cruise remote locks/alarm, \$10,000. 461-6337
- ★ 1998 Honda Accord EX sedan, automatic, new tires, one-owner, non-smoker, 46K miles, \$16,500. 881-9233
- ★ 1997 Dodge Grand Caravan SE, 62K miles, PW/PL, dual air, driver side door, one-owner, \$12,000 obo. 883-6496
- ★ 1998 Ford Mustang GT, 19.5K miles, red, leather seats, \$16,000. 256-653-0798
- ★ 1987 Mazda pickup truck, B-2200 SE-5, camper shell, bedliner, custom wheels, \$2,300 obo. 859-0729
- ★ 1992 Acura Integra, 2-dr. hatchback, red, 5-speed, sunroof, am/fm/cassette, a/c, 108K miles, \$4,700 obo. 757-3320
- ★ 1983 Chevrolet Caprice Classic, 220K miles, \$999. 931-433-0004
- ★ 1998 Honda Civic LX sedan, automatic, PW/PDLs, cruise, silver, new tires, 46K miles, \$10,900. 230-6846
- ★ 1993 Eagle Vision Tsi, green, 48K miles, 3.5L, automatic, power, cruise, new tires, \$6,800. 882-9370
- ★ 1992 Dodge Grand Caravan, white, integrated child seats, power locks/doors, 104K miles, \$4,900. 881-1559
- ★ 1979 Chevy pickup, 95K miles, toolbox,

- good tires, 8' bed, automatic, \$1,750. 650-0677
- ★ 1995 Plymouth Neon, 87K miles, auto, a/c, 4-door, gray, \$3,200. 851-1854/leave message
- ★ 1997 Ford F-250 XLT pickup w/towing package, 4WD, 40K miles, auto, \$16,250. 931-732-4742

## Found

- ★ Eye glasses w/eye case, Bldg. 4612. Call 544-2335 to identify/claim
- ★ Umbrella, near Bldg. 4203. Call 544-4758 to identify/claim

## Sports

Answers to Super Bowl trivia on page 6:

1. Phil Simms went 22 of 25 for 268 yards and three touchdowns for a 150.9 rating, the highest ever.
2. Jerry Rice had 18 points (three touchdowns) in Super Bowls XXIV and XXIX.
3. In Super Bowl XIII, Lynn Swann had seven catches for 124 yards, while John Stallworth had three for 115.
4. Joe Montana.
5. Timmy Smith ran for 204 yards in Super Bowl XXII.
6. In 1988, the San Francisco 49ers were 10-6 in the regular season.
7. The 1984 Dolphins and the 1998 Falcons went 14-2, but lost the Super Bowl.
8. In 1979, the L.A. Rams went 9-7, but somehow made it to the Super Bowl.
9. Nine teams have never been in a Super Bowl: Cleveland, Baltimore, Jacksonville, Seattle, Arizona, Detroit, Tampa Bay, Carolina and New Orleans.
10. The Dolphins have a 2-3 record. They won Super Bowls VII and VIII, but lost VI, XVII and XIX.

— Adapted from Funtrivia.com Web site

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